



Portals.10

Projects 2023 – Sebastian König
Interaction Designer and XR Developer

KINETARIUM

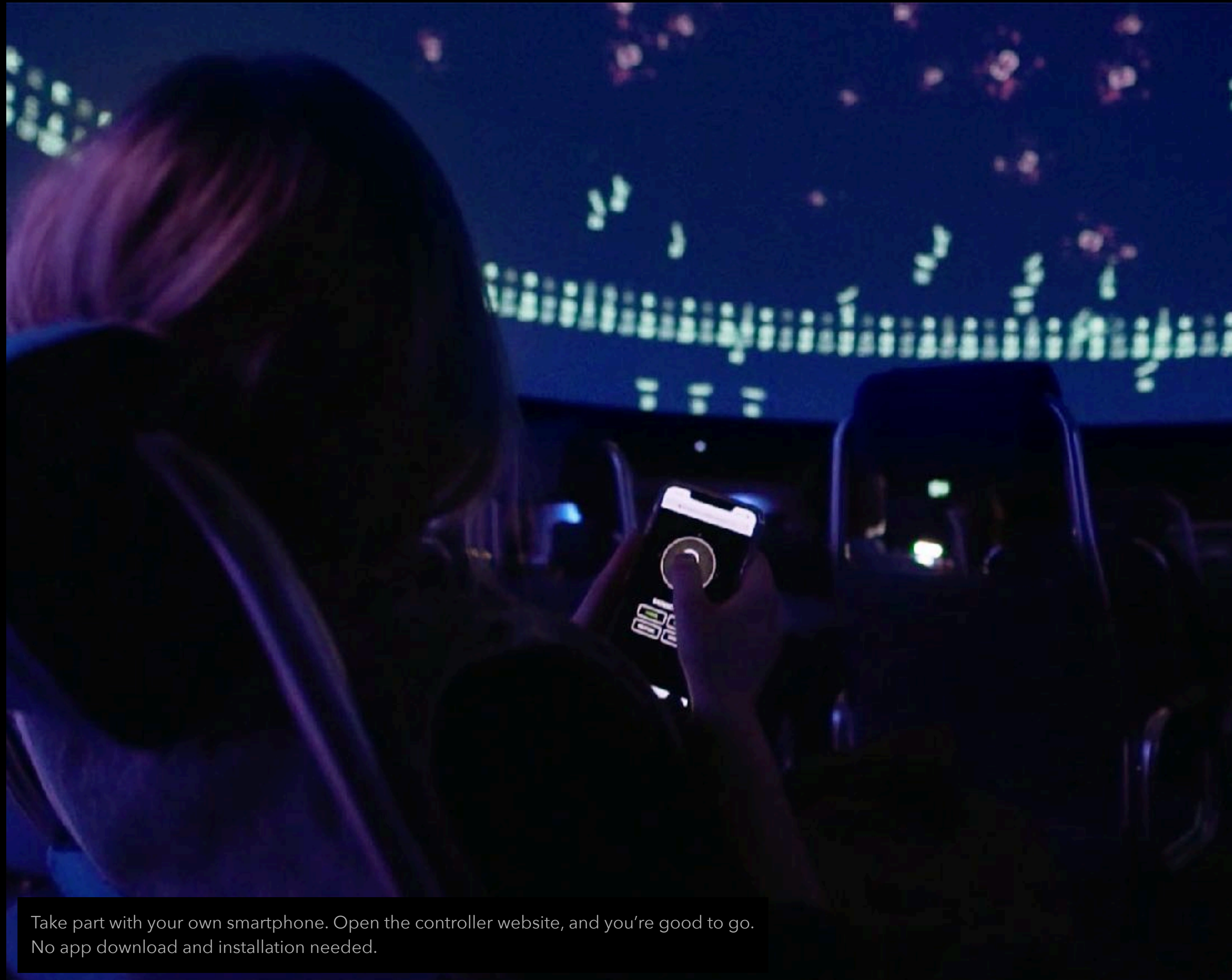
Multiplayer Planetarium – interactive shows and games for up to 300 people. Learn by playing together in a unique environment. Developed with and for halbautomaten Kommunikationsdesign GmbH.

Task: Concept, Development, Graphics

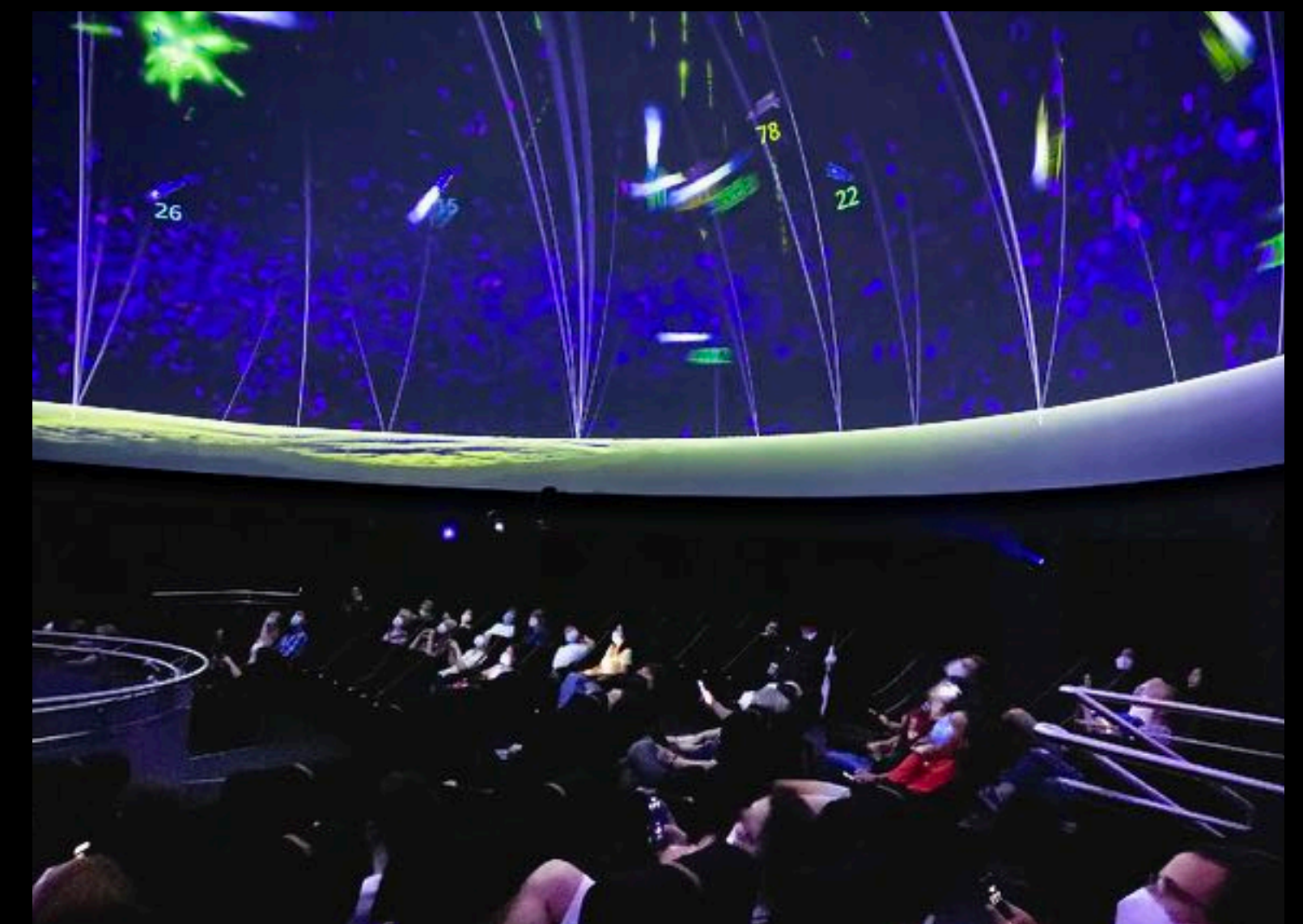
Tools: Unity, Blender, Adobe CS

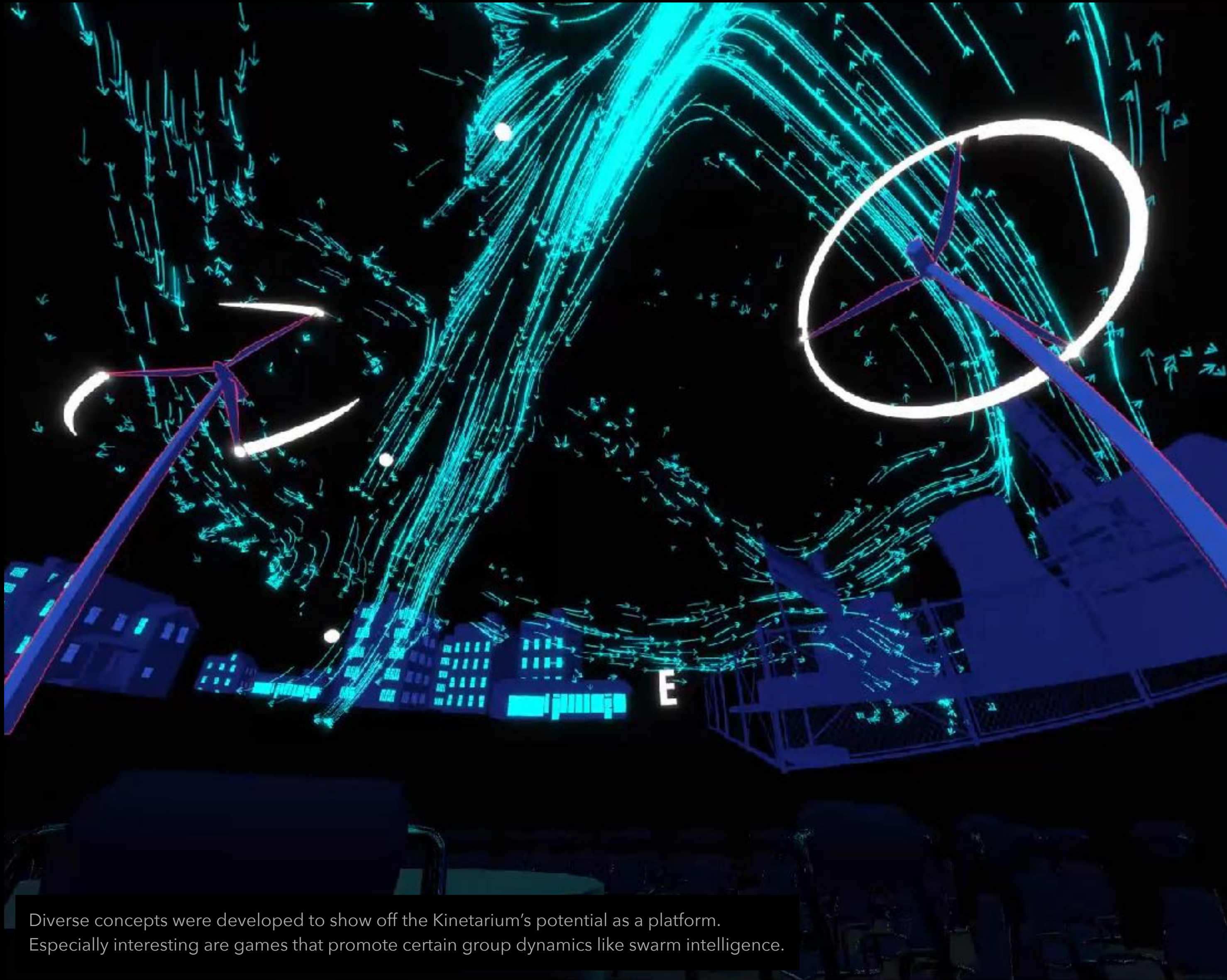
Platform: Windows, Mac OS, Linux, Web





Take part with your own smartphone. Open the controller website, and you're good to go.
No app download and installation needed.





Diverse concepts were developed to show off the Kinetarium's potential as a platform. Especially interesting are games that promote certain group dynamics like swarm intelligence.





For every show and game, there is a minimalist interface.
Inputs and mechanics are kept as simple as possible, so there's basically no tutorial required.



KINETARIUM



More: www.kinetarium.com
Instagram and Twitter: @kinetarium

Object Core

Showroom – Touchscreen with a projection. Interactive sculpture and product finder, that attracts visitors and invites them to explore the Object Carpet products. Developed with halbautomaten Kommunikationsdesign GmbH, commissioned by Object Carpet.

Task: Development, Graphics, Sound

Tools: Unity

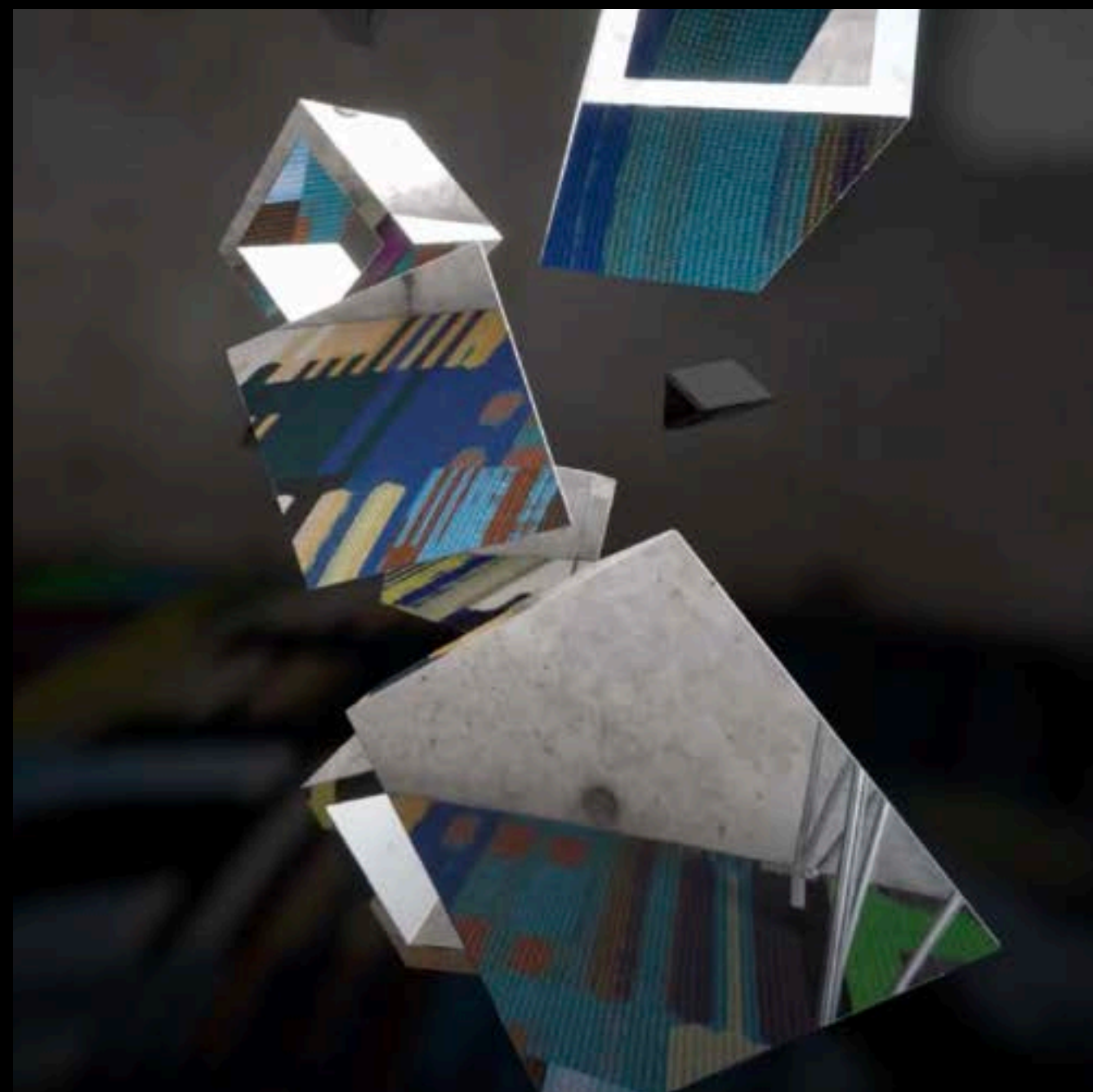
Platform: Windows



Webseite
Konfigurator
Referenzen
News
Ippolito Fleitz Group
Videos

Präsentation
Planner





By swapping the source image for the reflections, the Object Core gets a new face every day.
Images can easily be swapped in order to promote a new product or to welcome important showroom guests.

Reflex AR

Augmented Reality App for iOS and Android. Making hidden features visible: the app offers insight into the Reflex products and explains their functionality step by step. Developed with halbautomaten Kommunikationsdesign GmbH.

Task: Development, Graphics

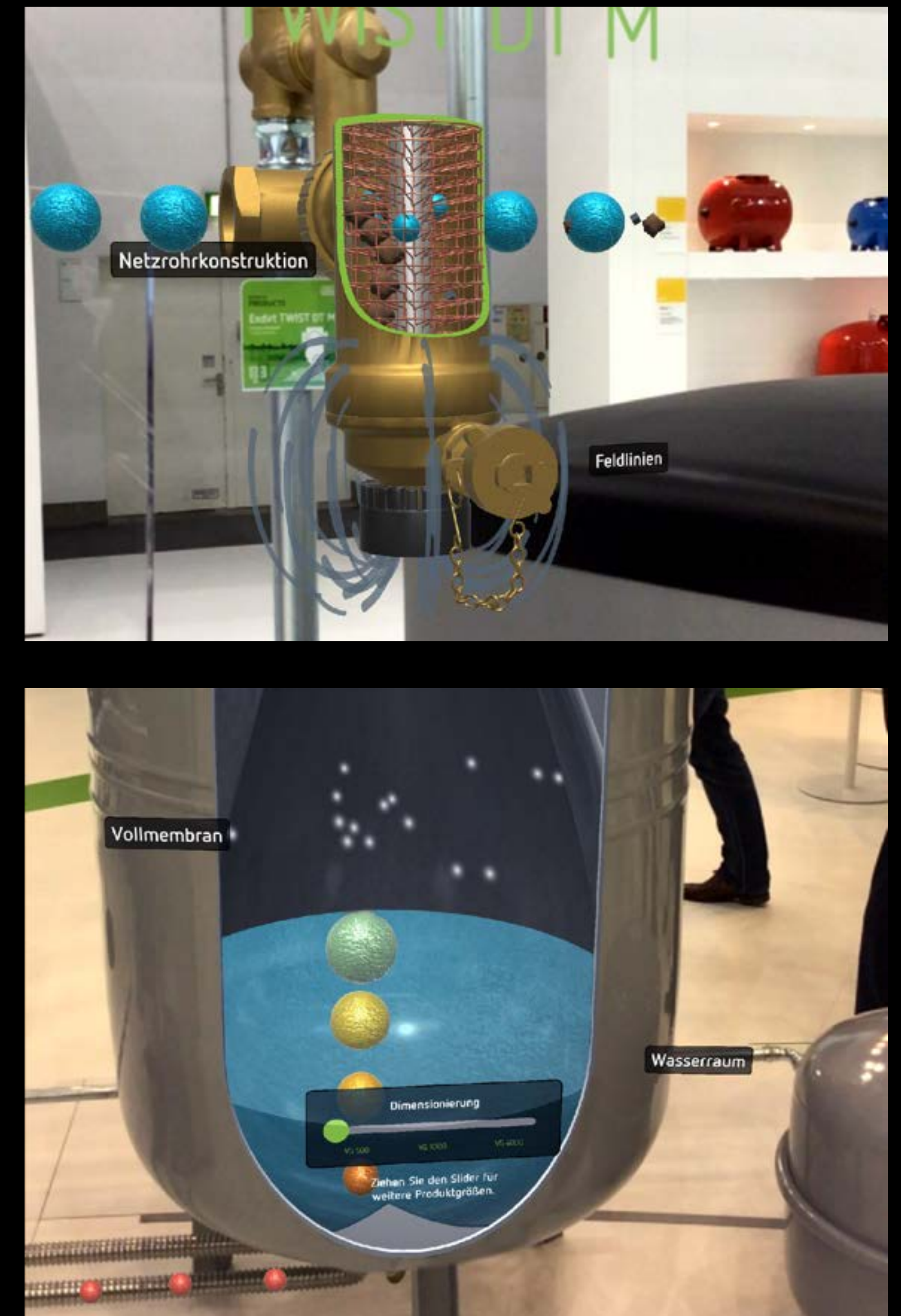
Tools: Unity, Adobe CS

Platform: iOS, Android





The app is primarily used at trade shows and free to download for any interested customer. Small stickers and model buildings were used as markers for the digital content.



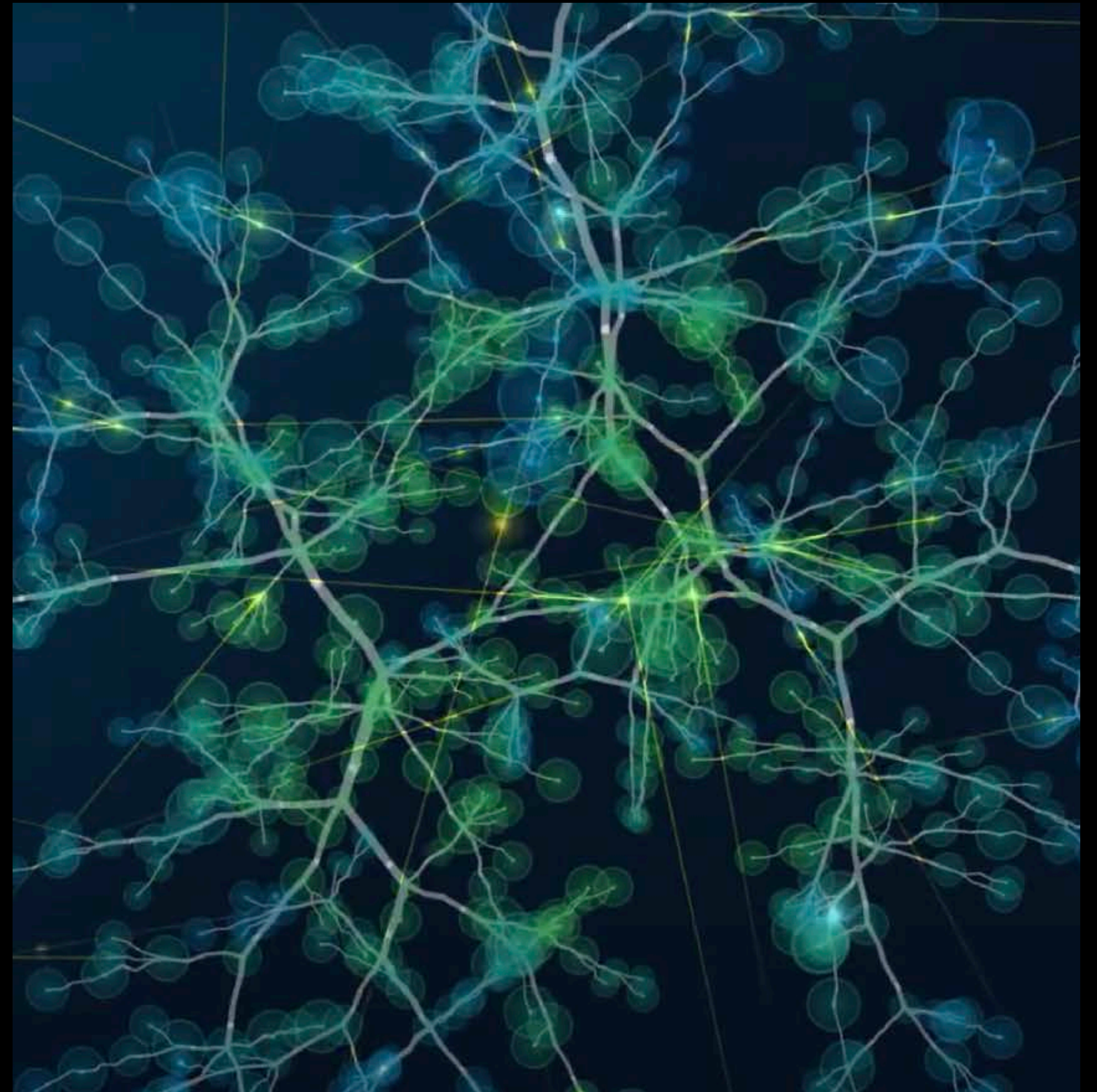
Bosch DATA Screen

Realtime data visualisation for the Bosch R&D Center in Renningen, Germany. A digital sculpture made of information, providing a new perspective on the daily research work at the site. Developed for Milla & Partner.

Task: Development, Graphics

Tools: Processing (Java), Adobe CS

Platform: Windows



Associates on site

133

associates currently checked
in on campus.

Time and location

Renningen
Germany

16:37 🕒

Palo Alto
United States

07:37 🕒

Pittsburgh
United States

10:37 🕒

Information

Welcome to Renningen

1,200 Bosch associates are part of
the company's interdisciplinary
global research network

Energy

Power generation
kilowatts

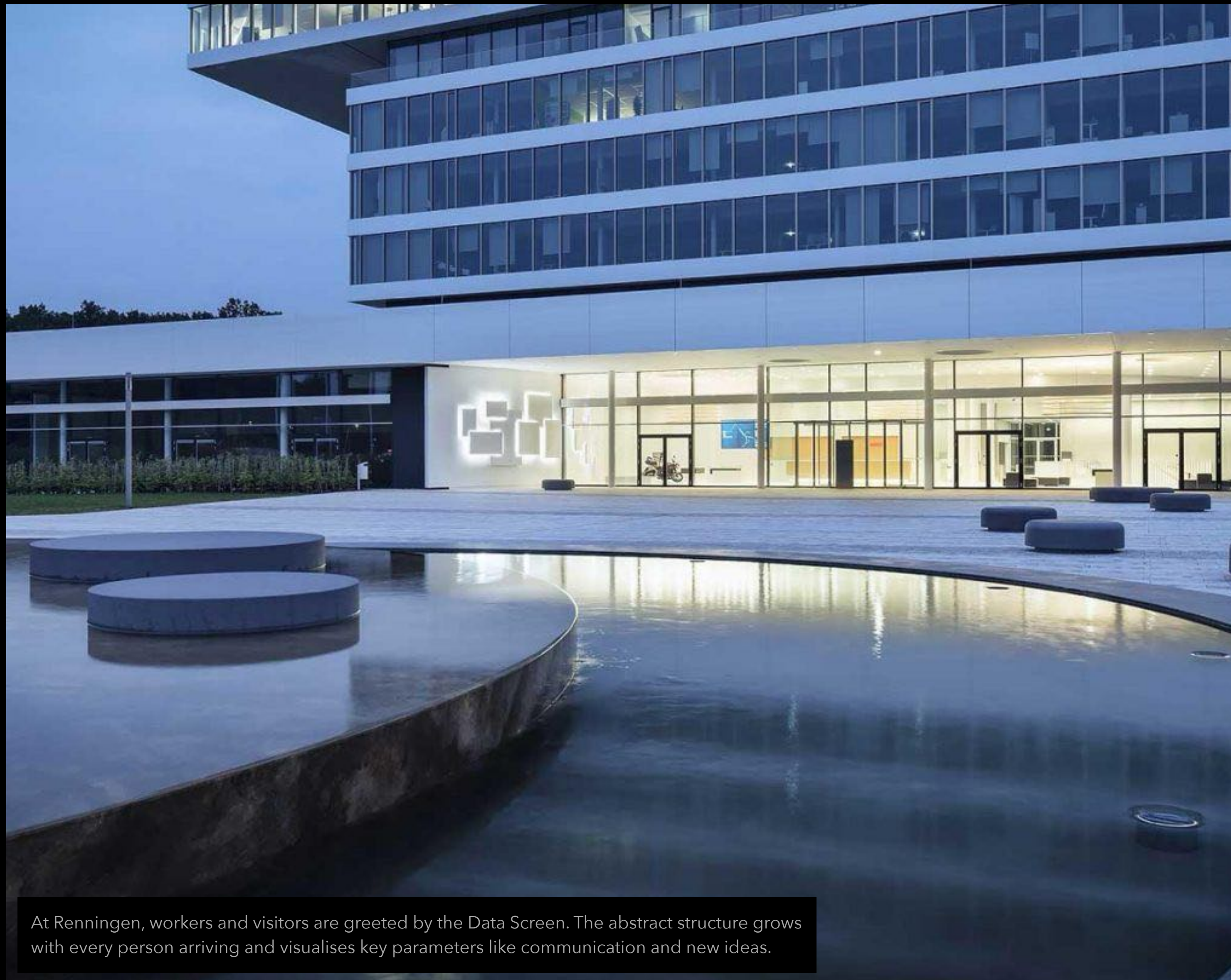
64.9 🏠

Heating
megawatts

4.4 🔥

Cooling
megawatts

2.8 ❄️



At Renningen, workers and visitors are greeted by the Data Screen. The abstract structure grows with every person arriving and visualises key parameters like communication and new ideas.



New World View

Augmented Reality App. Rethinking the model globe: imagine the Earth as a hollow sphere, then take a look through a hole in the ground right in front of you. Developed for halbautomaten Kommunikationsdesign GmbH.

Task: Concept, Development, Graphics

Tools: Unity

Platform: iOS, Android





If you dug a tunnel straight down from where you are standing now, where would that take you?
Do you know where Japan is from your current point of view? How big would the country appear, if you could see it?

Inside Reality

Cross section rendering – volumetric representation of machines, organisms and objects. **Inside Reality** enables users to place realistic looking objects into their environment, and dive into their inner workings.

Task: Concept, Development, Graphics

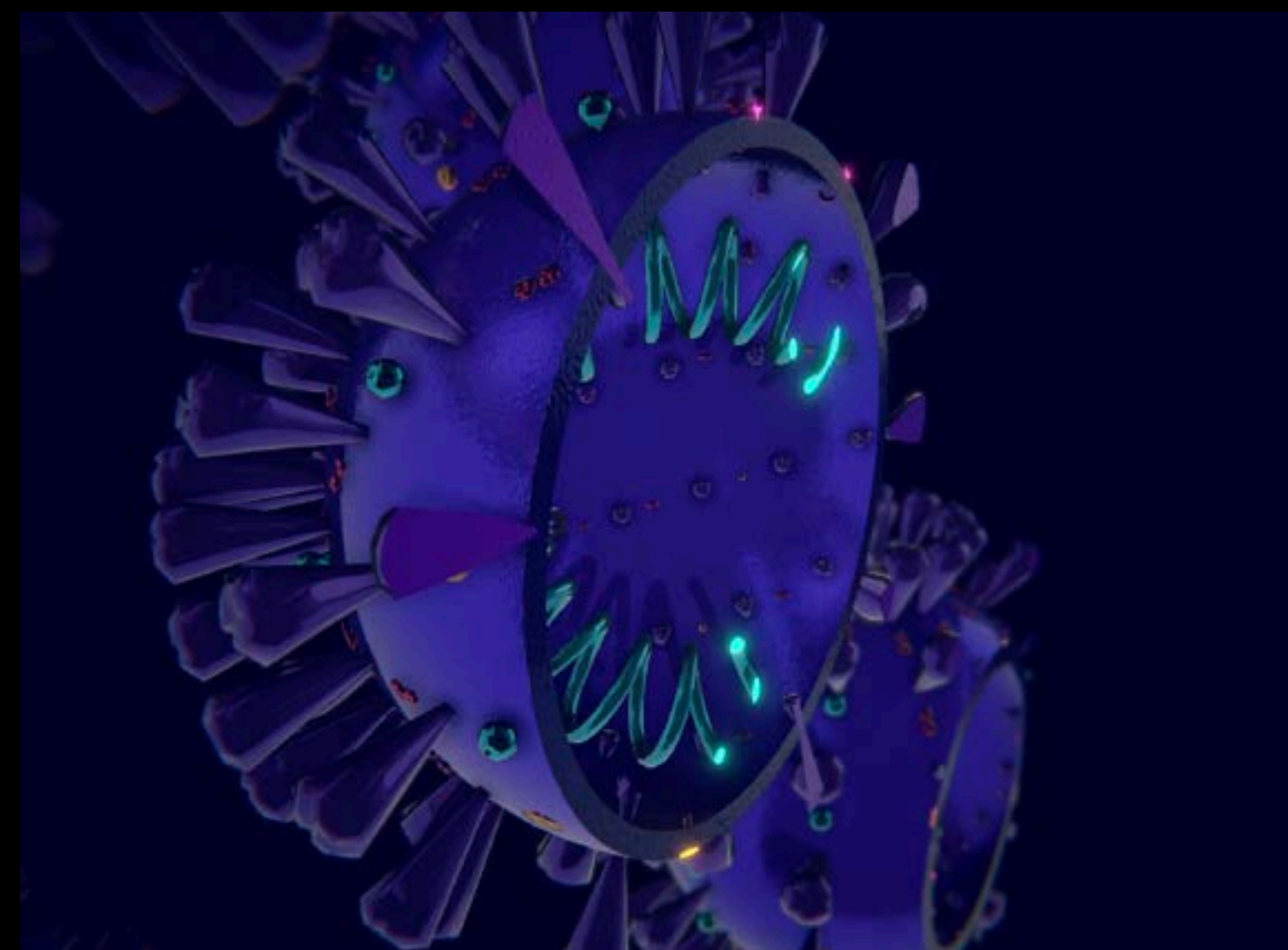
Tools: Unity, Blender, Adobe CS

Platform: Mac OS, iOS





Showing cross sections of objects in infographics is a popular educational method. Inside Reality makes those sections interactive, meaning they can be moved and reoriented, thereby offering completely new perspectives on every day topics.





Interactive cross sections for volumetric information and education.
The app "Inside Earth" is available in the iOS App Store.

Poster World

Augmented Reality App. Poster World is a new approach to digital exhibitions. Using your smartphone, you can explore the International Poster Exhibition wherever you want, framed by unique and interactive billboards. Developed with Nam Huynh for INTL Poster Exhibition in Scotland.

Task: Concept, Development

Tools: Unity

Platform: iOS, Android





The AR app allows people to combine posters from the exhibition together with a plethora of fantastic interactive billboards.



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